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**02510 – GUARDRAIL**

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(Revised 09/15/03)

**SELECTED LINKS TO SECTIONS WITHIN THIS SPECIFICATION**[Part 1](#) – General[Part 2](#) – Products[Part 3](#) – Execution**[PART 1](#) – GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions apply to this specification.
- B. Section 01000 – GENERAL REQUIREMENTS.
- C. [Section 02200](#) – EARTHWORK.
- D. [Section 02500](#) – BASE COURSE AND PAVING.
- E. Any specifications or details not covered herein shall be per Virginia Department of Transportation, *Road and Bridge Specifications*, 2002 or latest revision and the Virginia Department of Transportation, *Road and Bridge Standards*, 2001 or latest revision.

**1.2 SUMMARY**

This section includes all equipment, labor, material, and services required for complete installation of guardrail systems.

**1.3 DEFINITIONS**

For the purposes of this specification, the following definitions refer to the guardrail systems that come under the authority of the City of Lynchburg, Virginia as specified within this section and other sections of this manual.

**Public Road System:** Roadway, streets, and their appurtenances required for the conveyance of the motoring public that are maintained by either the City of Lynchburg or the Virginia Department of Transportation.

#### 1.4 SUBMITTALS

Shop drawings shall be submitted for all guardrail components upon request by the City of Lynchburg, City Engineer and in accordance with Section 01000, *General Requirements*.

#### 1.5 QUALITY ASSURANCE

Materials and operations shall comply with the latest revision of all applicable Codes and Standards.

#### 1.6 STANDARD ABBREVIATIONS

<b>AASHTO</b>	American Association of State Highway Transportation Officials
<b>ANSI</b>	American National Standards Institute
<b>AREA</b>	American Railway Engineers Association
<b>ASTM</b>	American Society for Testing and Materials
<b>FS</b>	Federal Specifications
<b>MSDS</b>	Material Safety Data Sheets
<b>OSHA</b>	Occupational Safety and Health Administration
<b>VDOT</b>	Virginia Department of Transportation

#### 1.7 PRODUCT DELIVERY, STORAGE AND HANDLING

Inspect materials thoroughly upon arrival. Examine materials for damage. Remove damaged or rejected materials from site.

All material shall be protected during handling and installation to prevent any damage. Remove damaged or rejected materials immediately.

Observe manufacturer's directions for delivery and storage of materials and accessories.

#### 1.8 COORDINATION

- A. Coordinate any and all removal and replacement of existing guardrail or installation of new guardrail with the City of Lynchburg, City Engineer.
- B. Coordinate all work within municipal roadways with the City of Lynchburg, City Engineer.

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## **PART 2 – PRODUCTS**

### **2.1 GENERAL**

Products shall conform to Section 221, *Guardrail*, of the Virginia Department of Transportation, *Road and Bridge Specifications*, latest revision and the Virginia Department of Transportation, *Road and Bridge Standards*, 2001 or latest revision.

## **PART 3 – EXECUTION**

### **3.1 GENERAL**

Execution shall conform to Section 505, *Guardrail and Steel Median Barriers*, of the Virginia Department of Transportation, *Road and Bridge Specifications*, latest revision and the Virginia Department of Transportation, *Road and Bridge Standards*, 2001 or latest revision.

**END OF SECTION 02510**

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